EUROPEAN PATENT OFFICE

2.3,4

12, 13, 14

8

18

圧網機

気液分離器

Patent Abstracts of Japan

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F25D 23/12

TITLE

COOLING/HEATING STORAGE AND

VENDING MACHINE USING THE SAME

庫内熱交換器 EV1, EV2, EV

冷却加温制御部

溶接部 商品

四方尖 三方弁

ABSTRACT :

PROBLEM TO BE SOLVED: To perform cooling and heating in safety, with respect to a cooling/ heating storage using a combustible refrigerant as a refrigerant of a freezing cycle, and a vending machine using the storage.

SOLUTION: As a plurality of storages 2-4 of the vending machine are heated only by condensing action of heat pump-type in-storage heat exchangers 12-14, the energy can be saved in comparison with a case when the heating is performed by a heater, and the heater becomes unnecessary, so that the possibility of catching fire by the combustible refrigerant can be lowered even when the combustible refrigerant is leaked from the in-storage heat exchangers 12-14 by mistake.

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